Knowledge-Based SYSTEMS

INDEX TO VOLUME 4: 1991

AUTHOR

Akutsu, T, Suzuki, E and Ohsuga, S Logic-based approach to expert systems in chemistry 103
Basu, A, Majumdar, A K and Sinha S DEXT: an integrated knowledge-engineering environment for control-engineering applications 131
Bench-Capon, T J M, Lowes, D and McEnery, A M Argument-based explanation of logic programs 177
Benmaiza, M and Elkaraksy, M R Knowledge-based approach to Petri nets analysis 144
Bonarini, A and Maniezzo, V Integrating expert systems and decision-support systems: principles and practice 172
Bullinger, H-J, Warschat, J and Fischer, D Knowledge-based system for material selection for design with new materials 95
Coenen, F and Smeaton, P Rule-based algorithms for geographic constraints in a marine knowledge-based system 157
Garner, B J and Tsui, E Strategies for mixed reasoning with a graph-based reasoning engine 75
Harris, D D, Zhang, F and Sydenham, P H Application of an expert system to monitoring and control in aquaculture 165
Herndon, J A, Anjanappa, M, Anand, D K and Kirk, J A Frame-based implementation of a design knowledge-capture scheme 35
Koov, M and Perkmann, H ExpertPriz – an integrated expert system shell 27
Leung, K S and Wong, M L Automatic refinement of knowledge bases with fuzzy rules 231
Mařík, V and Kouba, Z Some knowledge-acquisition methods for Prospector-like systems 225
Meisels, A, Kuflik, T and Gudes, E Limited-resource scheduling by generalized rule-based system 215
Moulin, B and Côté, D Representing temporal knowledge in conceptual graphs 197
Orman, L V Rule by example: an example-based approach to knowledge-base management 82
Plant, R T Rigorous approach to the development of knowledge-based systems 186
Pu, P and Reschberger, M Assembly sequence planning using case-based reasoning techniques 123
Rao, K S and Prasad, B E KIMS: knowledge-based image-management system 209
Rhodes, P C and Garside, G R Reappraisal of the use of conditional probability in early expert systems 67
Rhodes, P C and Menani, S M Towards a fuzzy logic programming system: a fuzzy propositional logic 52
Sridhar, V and Narasimha Murty, M Model-theoretic approach to clustering 87
Tyugu, E Knowledge-based programming environments 4
Volozh, B and Rosenfeld, M C-Priz – a new generation software tool for small computers 16

TITLE

Application of an expert system to monitoring and control in aquaculture **Harris, D D, Zhang, F and Sydenham, P H** 165
Argument-based explanation of logic programs **Bench-Capon, T J M, Lowes, D and McEnery, A M** 177
Assembly sequence planning using case-based reasoning techniques **Pu, P and Reschberger, M** 123
Automatic refinement of knowledge bases with fuzzy rules **Leung, K S and Wong, M L** 231
C-Priz – a new generation software tool for small computers **Volozh, B and Rosenfeld, M** 16
DEXT: an integrated knowledge-engineering environment for control-engineering applications **Basu, A, Majumdar, A K and Sinha S** 131
ExpertPriz – an integrated expert system shell **Koov, M and Perkmann, H** 27
Frame-based implementation of a design knowledge-capture scheme **Herndon, J A, Anjanappa, M, Anand, D K and Kirk, J A** 35
Integrating expert systems and decision-support systems: principles and practice **Bonarini, A and Maniezzo, V** 172
KIMS: knowledge-based image-management system **Rao, K S and Prasad, B E** 209
Knowledge-based approach to Petri nets analysis **Benmaiza, M and Elkaraksy, M R** 144
Knowledge-based programming environments **Tyugu, E** 4
Knowledge-based system for material selection for design with new materials **Bullinger, H-J, Warschat, J and Fischer, D** 95
Limited-resource scheduling by generalized rule-based system **Meisels, A, Kuflik, T and Gudes, E** 215
Logic-based approach to expert systems in chemistry **Akutsu, T, Suzuki, E and Ohsuga, S** 103
Model-theoretic approach to clustering **Sridhar, V and Narasimha Murty, M** 87
Reappraisal of the use of conditional probability in early expert systems **Rhodes, P C and Garside, G R** 67
Representing temporal knowledge in conceptual graphs **Moulin, B and Côté, D** 197
Rigorous approach to the development of knowledge-based systems **Plant, R T** 186
Rule by example: an example-based approach to knowledge-base management **Orman, L V** 82
Rule-based algorithms for geographic constraints in a marine knowledge-based system **Coenen, F and Smeaton, P** 157
Some knowledge-acquisition methods for Prospector-like systems **Mařík, V and Kouba, Z** 225
Strategies for mixed reasoning with a graph-based reasoning engine **Garner, B J and Tsui, E** 75
Towards a fuzzy logic programming system: a fuzzy propositional logic **Rhodes, P C and Menani, S M** 52

SUBJECT

Books 63, 118, 247
Calendar 64, 120, 184, IBC
Literature 117